

 **PORTAL**
USPTO

Subscribe (Full Service) Register (Limited Service, Free) Login
Search: The ACM Digital Library The Guide
 +background +color +detect histogram frequency distribution **SEARCH**

THE ACM DIGITAL LIBRARY

 [Feedback](#) [Report a problem](#) [Satisfaction survey](#)

Published before January 2004

Terms used

Found 1,893 of 150,604

[background](#) [color](#) [detect](#) [histogram](#) [frequency](#) [distribution](#)

Sort results by Save results to a Binder
 Display results Search Tips
 Open results in a new window

[Try an Advanced Search](#)
[Try this search in The ACM Guide](#)

Results 1 - 20 of 200

Result page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [next](#)

Best 200 shown

Relevance scale **1 On face detection in the compressed domain**

 Huitao Luo, Alexandros Eleftheriadis
 October 2000 **Proceedings of the eighth ACM international conference on Multimedia MULTIMEDIA '00**

Publisher: ACM Press

Full text available:  [pdf\(948.31 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We propose a fast face detection algorithm that works directly on the compressed DCT domain. Unlike the previous DCT domain processing designs that are mainly based on skin-color detection, our algorithm analyzes both color and texture information contained in the DCT parameters, therefore could generate more reliable detection results. Our texture analysis is mainly based on statistical model training and detection. A number of fundamental problems, e.g., block quantization, prepro ...

Keywords: *DCT, JPEG, MPEG, face detection***2 Projection detecting filter for video cut detection**

 Kiyotaka Otsuji, Yoshinobu Tonomura
 September 1993 **Proceedings of the first ACM international conference on Multimedia MULTIMEDIA '93**

Publisher: ACM Press

Full text available:  [pdf\(83.01 KB\)](#)  [ps\(1.12 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**3 Three-dimensional medical imaging: algorithms and computer systems**

 M. R. Stytz, G. Frieder, O. Frieder
 December 1991 **ACM Computing Surveys (CSUR)**, Volume 23 Issue 4

Publisher: ACM Press

Full text available:  [pdf\(7.38 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#), [review](#)**Keywords:** Computer graphics, medical imaging, surface rendering, three-dimensional

imaging, volume rendering

4 Effectively Visualizing Multi-Valued Flow Data using Color and Texture

Timothy Urness, Victoria Interrante, Ivan Marusic, Ellen Longmire, Bharathram Ganapathi Subramani

October 2003 **Proceedings of the 14th IEEE Visualization 2003 (VIS'03) VIS '03**

Publisher: IEEE Computer Society

Full text available:  pdf(754.46 KB) Additional Information: [full citation](#), [abstract](#), [citations](#)

In this paper we offer several new insights and techniques for effectively using color and texture to simultaneously convey information about multiple 2D scalar and vector distributions, in a way that facilitates allowing each distribution to be understood both individually and in the context of one or more of the other distributions. Specifically, we introduce the concepts of: - 'color weaving' for simultaneously representing information about multiple co-located color encoded distributions, and ...

Keywords: flow visualization, line integral convolution, multi-variate data visualization, color, texture

5 An integrated color-spatial approach to content-based image retrieval

 Wynne Hsu, S. T. Chua, H. H. Pung

January 1995 **Proceedings of the third ACM international conference on Multimedia MULTIMEDIA '95**

Publisher: ACM Press

Full text available:  htm(38.02 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: color retrieval, content-based retrieval, image segmentation, spatial retrieval

6 Session C3: physical science and engineering: Visualizing 2D probability distributions from EOS satellite image-derived data sets: a case study

David Kao, Jennifer L. Dungan, Alex Pang

October 2001 **Proceedings of the conference on Visualization '01 VIS '01**

Publisher: IEEE Computer Society

Full text available:  pdf(826.59 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

 Publisher Site

Maps of biophysical and geophysical variables using Earth Observing System (EOS) satellite image data are an important component of Earth science. These maps have a single value derived at every grid cell and standard techniques are used to visualize them. Current tools fall short, however, when it is necessary to describe a *distribution* of values at each grid cell. Distributions may represent a frequency of occurrence over time, frequency of occurrence from multiple runs of an ensemble f ...

Keywords: conditional simulation, data assimilation, geostatistics, probability density function, uncertainty

7 A survey on wavelet applications in data mining

 Tao Li, Qi Li, Shenghuo Zhu, Mitsunori Ogihara

December 2002 **ACM SIGKDD Explorations Newsletter**, Volume 4 Issue 2

Publisher: ACM Press

Full text available: [pdf\(330.06 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

Recently there has been significant development in the use of wavelet methods in various data mining processes. However, there has been written no comprehensive survey available on the topic. The goal of this is paper to fill the void. First, the paper presents a high-level data-mining framework that reduces the overall process into smaller components. Then applications of wavelets for each component are reviewed. The paper concludes by discussing the impact of wavelets on data mining research and ...

8 Multimodal people ID for a multimedia meeting browser

 Jie Yang, Xiaojin Zhu, Ralph Gross, John Kominek, Yue Pan, Alex Waibel
October 1999 **Proceedings of the seventh ACM international conference on Multimedia (Part 1) MULTIMEDIA '99**

Publisher: ACM Press

Full text available: [pdf\(1.73 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

A meeting browser is a system that allows users to review a multimedia meeting record from a variety of indexing methods. Identification of meeting participants is essential for creating such a multimedia meeting record. Moreover, knowing who is speaking can enhance the performance of speech recognition and indexing meeting transcription. In this paper, we present an approach that identifies meeting participants by fusing multimodal inputs. We use face ID, speaker ID, color appearance ID, a ...

Keywords: data fusion, meeting browser, multimedia, multimodal, people identification

9 Face recognition: A literature survey

 W. Zhao, R. Chellappa, P. J. Phillips, A. Rosenfeld
December 2003 **ACM Computing Surveys (CSUR)**, Volume 35 Issue 4

Publisher: ACM Press

Full text available: [pdf\(4.28 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

As one of the most successful applications of image analysis and understanding, face recognition has recently received significant attention, especially during the past several years. At least two reasons account for this trend: the first is the wide range of commercial and law enforcement applications, and the second is the availability of feasible technologies after 30 years of research. Even though current machine recognition systems have reached a certain level of maturity, their success is ...

Keywords: Face recognition, person identification

10 Content analysis: Supporting timeliness and accuracy in distributed real-time content-based video analysis

 Viktor S. Wold Eide, Frank Eliassen, Ole-Christoffer Granmo, Olav Lysne
November 2003 **Proceedings of the eleventh ACM international conference on Multimedia MULTIMEDIA '03**

Publisher: ACM Press

Full text available: [pdf\(339.39 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Real-time content-based access to live video data requires content analysis applications that are able to process the video data at least as fast as the video data is made available to the application and with an acceptable error rate. Statements as this express quality of service (QoS) requirements to the application. In order to provide some level of control of the QoS provided, the video content analysis application must be scalable and resource



[SPIE DL home](#) | [Scitation home](#) | [Search SPIN](#) | [help](#) | [contact](#) | [sign in](#) | [sign ou](#)

SPIE Digital Library

Proceedings

Journals

[My SPIE Subscription](#) | [My E-mail Alerts](#) | [My Article Collections](#)

[Home](#) » [Advanced Search](#) » [Search Results](#)

SEARCH DIGITAL LIBRARY

[[Back to Search Query](#) | [Start New Search](#) | [Searching Hints](#)]

[Search](#)

[Advanced Search](#)

BROWSE PROCEEDINGS

¤ [Proceedings](#)

- ¤ [By Year](#)
- ¤ [By Symposium](#)
- ¤ [By Volume No.](#)
- ¤ [By Volume Title](#)
- ¤ [By Technology](#)

BROWSE JOURNALS

¤ [Journals](#)

- ¤ [Optical Engineering](#)
- ¤ [J. Electronic Imaging](#)
- ¤ [J. Biomedical Optics](#)
- ¤ [J. Micro/Nanolithography, MEMS, and MOEMS](#)
- ¤ [J. Applied Remote Sensing](#)
- ¤ [J. Nanophotonics](#)

SUBSCRIPTIONS & PRICING

¤ [Institutions & Corporations](#)

¤ [Personal subscriptions](#)

GENERAL INFORMATION

¤ [About the Digital Library](#)

¤ [Terms of Use](#)

¤ [SPIE Home](#)

Search Results

You were searching for : (((background <near/3> color) <and>(detect <or> determine <or> select <or> estimate)) <and>(histogram <or> frequency <or> distribution))) <AND> usdate <=12-dec-2003 [ISSN](#) [?](#)

You found 4 out of 240429 (4 returned)
Documents 1 - 4 listed on this page

[[Related SPIE Products](#)]

79%

1. **Object detection in color images using nonparametric Bayes classification and orthogonal functions**
Mehmet Celenk and Yuan Shao
Proc. SPIE **3387**, 147 (1998) [Full Text:](#) [[PDF \(648 kB\)](#)] (9 pages)

77%

2. **Restoring color document images with show-through effects by multiscale analysis**
Hiromi Nishida and Takeshi Suzuki
Proc. SPIE **5008**, 70 (2003) [Full Text:](#) [[PDF \(1493 kB\)](#)] (11 pages)

77%

3. **Detecting multicolored object in image by content**
Yuehu Liu, Sumei Guo, and Shinji Ozawa
Proc. SPIE **3545**, 405 (1998) [Full Text:](#) [[PDF \(928 kB\)](#)] (6 pages)

77%

4. **Scanner analyzer target**
Roland Simonis
Proc. SPIE **1454**, 364 (1991) [Full Text:](#) [[PDF \(633 kB\)](#)] (6 pages)



[home](#) | [proceedings](#) | [journals](#)

[Terms of Use](#) | [Privacy Policy](#) | [Contact](#)


[SPIE DL home](#) | [Scitation home](#) | [Search SPIN](#) | [help](#) | [contact](#) | [sign in](#) | [sign out](#)
[SPIE Digital Library](#)[Proceedings](#)[Journals](#)
[My SPIE Subscription](#) | [My E-mail Alerts](#) | [My Article Collections](#)
[Home](#) » [Advanced Search](#) » [Search Results](#)

SEARCH DIGITAL LIBRARY

[\[Back to Search Query\]](#) | [Start New Search](#) | [Searching Hints](#)

[Advanced Search](#)

BROWSE PROCEEDINGS

[Proceedings](#)

- [By Year](#)
- [By Symposium](#)
- [By Volume No.](#)
- [By Volume Title](#)
- [By Technology](#)

BROWSE JOURNALS

[Journals](#)

- [Optical Engineering](#)
- [J. Electronic Imaging](#)
- [J. Biomedical Optics](#)
- [J. Micro/Nanolithography, MEMS, and MOEMS](#)
- [J. Applied Remote Sensing](#)
- [J. Nanophotonics](#)

SUBSCRIPTIONS & PRICING

- [Institutions & Corporations](#)
- [Personal subscriptions](#)

GENERAL INFORMATION

- [About the Digital Library](#)
- [Terms of Use](#)
- [SPIE Home](#)

81%

1. **A method for automatic infrared point target detection in a sea background based on morphology and wavelet transform**
Peizhi Wen, Zelin Shi, Haibin Yu, and Xiaojun Wu
Proc. SPIE **5286**, 248 (2003) [Full Text](#): [PDF (264 kB)] (6 pages)

77%

2. **Ice cloud modeling upgrade to GRC's Advanced Surveillance Test-bed**
Anthony L. Daniell and Howard M. Robbins
Proc. SPIE **2561**, 186 (1995) [Full Text](#): [PDF (512 kB)] (12 pages)

77%

3. **Novel high-resolution PeV gamma-ray telescope**
John E. F. Baruch, N. J. McEwan, and R. I. Davis
Proc. SPIE **1948**, 119 (1993) [Full Text](#): [PDF (877 kB)] (7 pages)


[home](#) | [proceedings](#) | [journals](#)
[Terms of Use](#) | [Privacy Policy](#) | [Contact](#)


SPIE © 1990 - 2007



[Home](#) | [Login](#) | [Logout](#) | [Access Information](#) | [Alerts](#) | [Sitemap](#) | [Help](#)

Welcome United States Patent and Trademark Office

[Search Results](#)

[BROWSE](#)

[SEARCH](#)

[IEEE XPLORE GUIDE](#)

[SUPPORT](#)

Results for "(((background <near/3> color<in>metadata) <and> (detect <or> determine &..."

Your search matched 23 of 1577925 documents.
A maximum of 100 results are displayed, 25 to a page, sorted by **Relevance in Descending order.**

[» Search Options](#)

[View Session History](#)

[New Search](#)

[Modify Search](#)

(((background <near/3> color<in>metadata) <and> (detect <or> determine <or>...

Check to search only within this results set

Display Format: Citation Citation & Abstract

[» Key](#)

[IEEE JNL](#) IEEE Journal or Magazine

[IET JNL](#) IET Journal or Magazine

[view selected items](#) [Select All](#) [Deselect All](#)

[IEEE CNF](#) IEEE Conference Proceeding

[IET CNF](#) IET Conference Proceeding

[IEEE STD](#) IEEE Standard

- 1. **Simultaneous frequency and phase estimation of digital modulated signals in burst mode transmission**

Cabrera, M.; Lagunas, M.A.;

Acoustics, Speech, and Signal Processing, 1990. ICASSP-90. 1990 International Conference on

3-6 April 1990 Page(s):1711 - 1714 vol.3

Digital Object Identifier 10.1109/ICASSP.1990.115809

AbstractPlus | Full Text: PDE(240 KB) [IEEE CNF](#)

Rights and Permissions

- 2. **Ghost/sup 3D/: detecting body posture and parts using stereo**

Haritaoglu, I.; Beymer, D.; Flickner, M.;
Motion and Video Computing, 2002. Proceedings. Workshop on

5-6 Dec. 2002 Page(s):175 - 180

Digital Object Identifier 10.1109/MOTION.2002.1182231

AbstractPlus | Full Text: PDE(565 KB) [IEEE CNF](#)

Rights and Permissions

- 3. **Rits Eye: a software-based system for real-time face detection and tracking using pan-tilt-zoom controllable camera**

Xu, G.; Sugimoto, T.;
Pattern Recognition, 1998. Proceedings. Fourteenth International Conference on

- Volume 2, 16-20 Aug. 1998 Page(s):1194 - 1197 vol.2
Digital Object Identifier 10.1109/ICPR.1998.711911
[AbstractPlus](#) | Full Text: [PDF\(424 KB\)](#) IEEE CNF
[Rights and Permissions](#)
4. **Harmonic retrieval in the presence of colored noise**
Tewfik, A.H.;
Acoustics, Speech, and Signal Processing, 1989. ICASSP-89.. 1989 International Conference on
23-26 May 1989 Page(s):2069 - 2072 vol.4
Digital Object Identifier 10.1109/ICASSP.1989.266868
[AbstractPlus](#) | Full Text: [PDF\(228 KB\)](#) IEEE CNF
[Rights and Permissions](#)
5. **The Hand Mouse: GMM hand-color classification and mean shift tracking**
Kurata, T.; Okuma, T.; Kourogi, M.; Sakae, K.;
Recognition, Analysis, and Tracking of Faces and Gestures in Real-Time Systems, 2001.
Proceedings. IEEE ICCV Workshop on
13 July 2001 Page(s):119 - 124
Digital Object Identifier 10.1109/RATFG.2001.938920
[AbstractPlus](#) | Full Text: [PDF\(684 KB\)](#) IEEE CNF
[Rights and Permissions](#)
6. **Integral ratio: a new class of global thresholding techniques for handwriting images**
Solihin, Y.; Leedham, C.G.;
Pattern Analysis and Machine Intelligence, IEEE Transactions on
Volume 21, Issue 8, Aug. 1999 Page(s):761 - 768
Digital Object Identifier 10.1109/34.784289
[AbstractPlus](#) | References | Full Text: [PDF\(568 KB\)](#) IEEE JNL
[Rights and Permissions](#)
7. **An entropy based robust speech boundary detection algorithm for realistic noisy environments**
Weaver, K.; Wahneid, K.; Salem, F.M.;
Neural Networks, 2003. Proceedings of the International Joint Conference on
Volume 1, 20-24 July 2003 Page(s):680 - 685 vol.1
Digital Object Identifier 10.1109/134.784289
[AbstractPlus](#) | Full Text: [PDF\(474 KB\)](#) IEEE CNF
[Rights and Permissions](#)
8. **Extraction of face regions in color image**
Zhi-Ming Liu; Yao Li; Xin He; Wen-Ke Wang; Ji-Liu Zhou; Kui Li;
Machine Learning and Cybernetics, 2002. Proceedings. 2002 International Conference on
Volume 3, 4-5 Nov. 2002 Page(s):1340 - 1343 vol.3

Digital Object Identifier 10.1109/ICMLC.2002.1167423
AbstractPlus | Full Text: [PDF\(349 KB\)](#) IEEE CNF
Rights and Permissions

9. A Bayesian approach to object detection in color images

Celenk, M.;
System Theory; 1998. Proceedings of the Thirtieth Southeastern Symposium on
8-10 March 1998 Page(s):196 - 199
Digital Object Identifier 10.1109/SSST.1998.660045
AbstractPlus | Full Text: [PDF\(484 KB\)](#) IEEE CNF
[Rights and Permissions](#)

10. Automatic date imprint extraction from natural images

Xi Zhu; Xinggang Lin;
Information, Communications, and Signal Processing, 2003 and the Fourth Pacific Rim
Conference on Multimedia. Proceedings of the 2003 Joint Conference of the Fourth
International Conference on
Volume 1, 15-18 Dec. 2003 Page(s):518 - 522 Vol.1
Digital Object Identifier 10.1109/ICICS.2003.1292506
AbstractPlus | Full Text: [PDF\(511 KB\)](#) IEEE CNF
[Rights and Permissions](#)

11. Image back-light compensation with fuzzy C-means learning algorithm and fuzzy
inference

Daw-Tung Lin; Chia-Ching Huang;
Signal Processing and Its Applications, 2003. Proceedings. Seventh International Symposium
on
Volume 1, 1-4 July 2003 Page(s):433 - 436 vol.1
Digital Object Identifier 10.1109/ISSPA.2003.1224733
AbstractPlus | Full Text: [PDF\(369 KB\)](#) IEEE CNF
[Rights and Permissions](#)

12. A multiscale approach to restoring scanned color document images with show-through
effects

Nishida, H.; Suzuki, T.;
Document Analysis and Recognition, 2003. Proceedings. Seventh International Conference on
3-6 Aug. 2003 Page(s):584 - 588 vol.1
Digital Object Identifier 10.1109/ICDAR.2003.1227731
AbstractPlus | Full Text: [PDF\(683 KB\)](#) IEEE CNF
[Rights and Permissions](#)

13. Traffic monitoring using short-long term background memory

Guo, D.; Hwang, Y.C.; Adrian, Y.C.L.; Laugier, C.;
<http://ieeexplore.ieee.org/search/searchresult.jsp?SortField=Score&SortOrder=desc&ResultCount=25&maxdoc=100&coll1=ieejr...> 5/30/07